

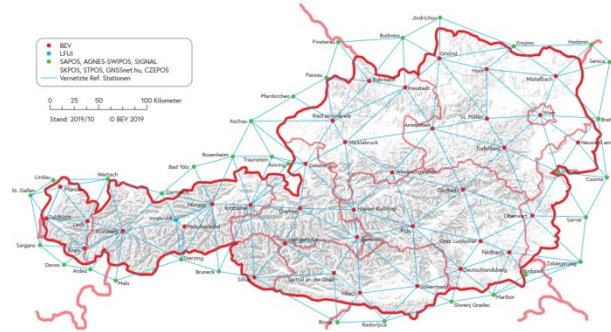
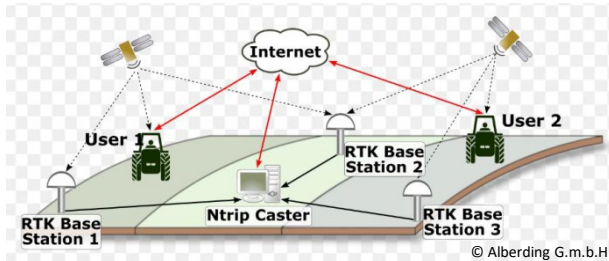
APOS brief report



Ernst Zahn, APOS/BEV - Austria
EUPOS, 7th EUPOS technical meeting 11/2021

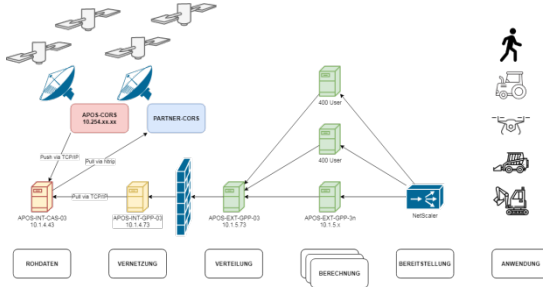


**Since 1st Feb. 2021: APOS Free RTK for „Precise Farming“
> First step to APOS mass application established**



APOS Network

- 71 GNSS Reference stations**
 - 37 (Austrian)
 - 34 (foreign)
- 1 x IGS / 4 x EUREF
- ETRS89 – representation in Austria
- Brands (Austria): Trimble Alloy, Leica GR30, Septentrio PolaRx5



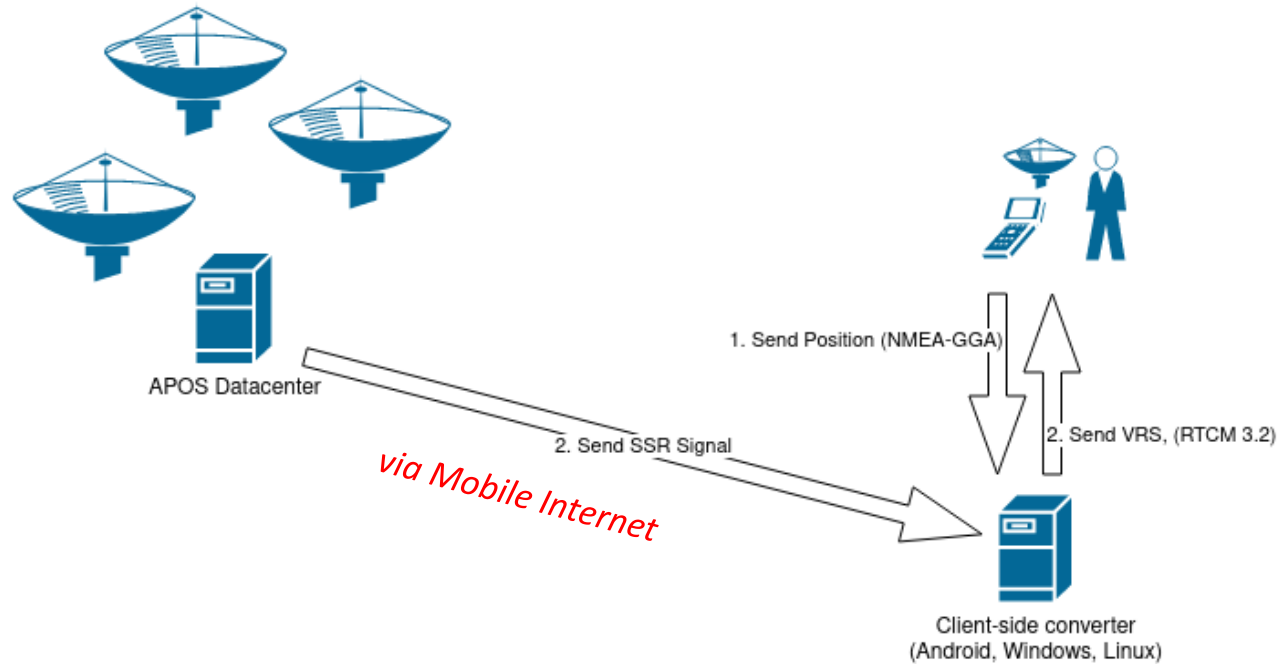
New server/system concept:
CORS data > caster > networking >
DMZ: distribution >
processing (via worker)>
provision for users (netscaler)

**Automated registration/customer management
process via Agricultural Market Austria and BEV**

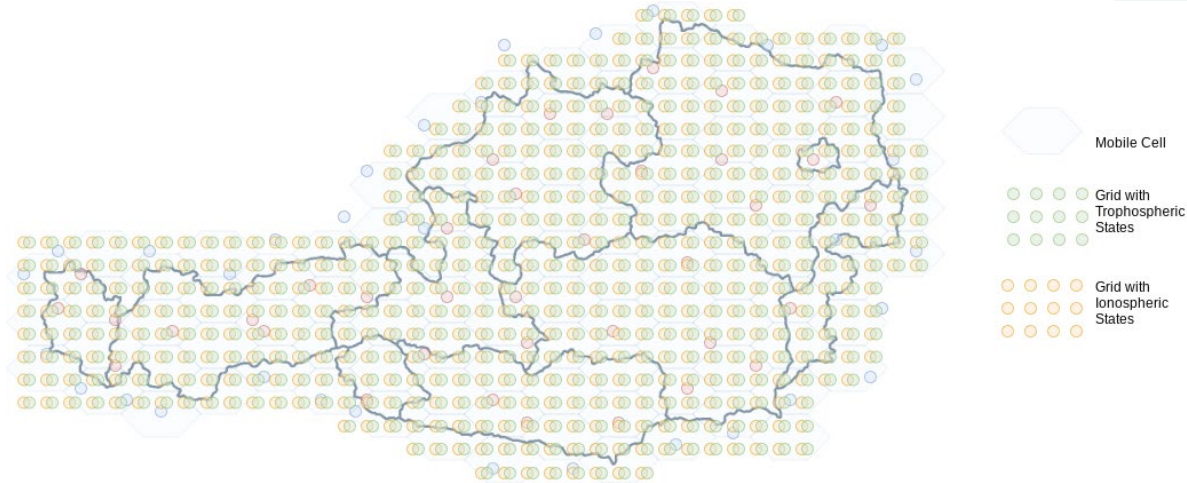
**Outlook (as of end 2021...):
APOS Broadcast – testservice**

**Future goal: State infrastructure for all
customers!**

APOS-Broadcast – Prototype (Converter app / Direct chip processing ...)



Midterm concept: APOS – „Broadcast“ (e.g. via mobile cells, ...)



- Send smaller grids per cell
- Overlapping grid with identical grid points
- Each cell receives a partial grid
- Lower Bandwith
- processable by "cheaper" receivers?

...transmission of partial parts of the grid, „Cell-VRS“, ...

Add. midterm concept: „Cell – VRS“

